

Date: Fri, 5 Aug 94 00:09:08 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #877  
To: Info-Hams

Info-Hams Digest                      Fri, 5 Aug 94                      Volume 94 : Issue 877

Today's Topics:

Car warrantee and 2m radio  
CWIST gettogether if interested  
Eimac 60th Anniversary Special Event  
From Dallas to Houston..  
Houston-Dallas  
INFO WANTED: Alinco DJ-580T  
Kenwood TM-733A surprise features and bugs [LONG].  
Model rocket telemetry...  
S. California Repeaters  
Thanks from the NOVICE!!!  
Yaesu ft530 vco tune up

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 4 Aug 1994 11:15:53 -0400  
From: news1.digex.net!digex.net!not-for-mail@uunet.uu.net  
Subject: Car warrantee and 2m radio  
To: info-hams@ucsd.edu

In article <VBREAULT.94Aug3102742@rinhp750.gmr.com>, Val Breault wrote:

> It's not a problem with GM products. They even publish a nice pamphlet  
> describing how you ought to go about installing the radio for least  
> interference. GM has provided vehicles for mobile communications  
> activities for as long as I can remember and doesn't want to loose that  
> business.

>

That's not what an Old's delaer told me, they should get their policies in sync.

Andy N3LCW

-----

Date: 3 Aug 1994 20:00:35 GMT  
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!  
yeshua.marcam.com!zip.eecs.umich.edu!newsxfer.itd.umich.edu!gatech!  
taco.cc.ncsu.edu!csemail.cropsci.ncsu.edu!rdkeys@network.  
Subject: CWIST gettogether if interested  
To: info-hams@ucsd.edu

OK, folks, here is the weekly posting for the CWISTS.....

This week I will continue with a very rudimentary attempt at stringing it along somewhat like an informal net, so that we can maximize the number of folks wanting to join in in some 'semblance of an ordered sort of manner.

Bob  
NA4G

\*\*\*\*\*

QST QST QST CQ CQ CQ DE NA4G NA4G NA4G BT  
031518UTC AUG 94  
FM NA4G  
TO ALL CW OPS WORLDWIDE BT  
CWIST FRIDAY NIGHT FIST FUNCTION.  
ALL HANDS QSW/QSX 3702.5/7102.5KHZ 0400UTC 06 AUGUST 1994.  
GET ON THE AIR AND ENJOY A PLAIN CW EVENING ON THE 40/80 METER BANDS.  
USE A REAL HAND KEY (A STRAIGHT SENDING IRON OR BUG IS ENCOURAGED).  
A VERY SIMPLE NET STYLE FORMAT WILL BE UTILIZED.  
WHEN THE CONTROL STATION INVITES CHECKINS, CALL CWIST DE YOURCALL K.  
YOU WILL BE ACKNOWLEDGED AND PLACED IN LINE FOR YOUR COMMENTS.  
ENJOY OLD-TIME AMATEUR RADIO AND TRY SOME FRIENDLY BRASS POUNDING.  
EXCHANGE MORE THAN RST QTH NAME HELLO AND GOODBYE.  
HELP ALONG THE NEW HAMS ON CW TO GET THEIR SPEED UP.  
TELL A FAIR YARN OR TWO AMONG FELLOW CWISTS AND RAGCHEW A WHILE.  
TELL SOME HISTORY ABOUT THE OLD-TIME DAYS AND YOUR EXPERIENCES IN RADIO.  
IF YOU ARE AN OLD TIMER PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.  
IF YOU WERE EVER A PROFESSIONAL PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.  
USE BOATANCHOR GEAR IF YOU HAVE IT AVAILABLE OR WHATEVER YOU HAVE.  
SEE YOU THERE OM/YL.  
73 TU SU DE NA4G BOB AR

Greetings CWISTS, Boatanchorites, Fellow Hams, et al:

I will be on again at 0400UTC for the continuing saga of the Sacred and Most Honorable Friendly Society of Brass Pounding Fist Functioning CWISTS.

Last Friday Night, there were six fine stations that checked in. The first lowly attempt at a strictly informal ``net'' type format worked rather well, and all stations were able to get some time. Some were QRO, some were QRP, some were modern gear and some were boatanchors. We batted things about for a good solid hour, and all had a good time.

I did not hear anyone on 40 meters (someone scout out a good 40 meter QRG in the novice band).

There has been a lot of interest on the rec.amateur.radio newsgroups on sending CW and the general poor quality of many fists these days. Let us do a little to promote, not only the art of receiving CW radiotelegraphic communication, but also the art of ...sending... good CW radiotelegraphic communication. It is perfectly fine to have an individualized fist, and it is often easy to tell who is aboard on watch at the key, just by the first few characters received, but it ...should... be a point of pride and operating skill to be able to manually send characters of sufficient integrity as to be readily received by all who might be in a position to hear same.

So, let us all see who will be on watch this coming friday night (saturday morn 0400UTC). Run your treasured boatanchor if you can, or even that newfangled rice box supreme, or even that fine homebrew QRP rig.

Definition: A CWIST is a person with an active interest in the PRACTICE and USE of continuous wave radiotelegraphy as directly is appliccable to amateur radio. Such PRACTICE and USE may take the form of learning about radiotelegraphy and its history in amateur/commercial areas, its application to radio telecommunication, the practicing of the art and craft of radiotelegraphy, and the refining and developing of the technology of radiotelegraphy.

The general information is:

```
+++++
+                               CWISTS Friday Night Fist Function                               +
+
```

```

+++++
+
+ Standard time: Friday Nights at 0400UTC (Saturday morning)
+
+ Standard freq: 80 meters --- 3702.5 khz for all hands.
+                40 meters --- 7102.5 khz alternate, for all hands
+                (between the heterodynes)
+                (someone scout out a better QRG)
+
+ Standard calling signal:  ---
+                           CWIST IMI DE <yourcall> K (if there
+                           are no control stations calling for
+                           you to check in), or,
+                           CWIST DE <yourcall> K (if there is a
+                           control station inviting checkins)
+
+ Note: A simple informal net style protocol will generally be
+        used, unless no control station assumes control for the
+        evening, in which case it is an open roundtable format
+        discussion group.
+
+++++

```

Let us all work together to continue to advance and promote the friendly use of CW on the amateur radio bands.

Let us continue to assist and help the newcomers and slowspeeds who are trying to get their CW going.

Let us to continue to promote the use of whatever gear you have up and available, be it the newest of sorts or the oldest boatanchor. Remember, CW generation has not changed since the days of arcs, Alexanderson alternators, and Pliotrons.

Let us continue to promote the sharing and fellowship of the history and traditions of amateur radio (this includes all you OTs out there that have all sorts of goodly tidbits of history to relate to the young squirts on the block, and it includes all you young squirts on the block who, even though a bit new at CW and radio are the future of the service or hobby or profession).

Let us continue to promote the ``elmering'' of all of our new folks by the old timers aboard, in any way that we can. We should not be out to convert the brethren to CW, but should be there to elmer them and assist them in learning/practicing their skills, if possible.

So, OTs aboard, young squirts in the wings, high-speed aficionados of the art, and slow-speed ragchewers, join in on the fun. If your

equipment is old boatanchor, so what. If your signal is a bit weak or chirpy, so what. If your antenna is just a mere piece of wire up into the trees, so what. YOU can still join in and participate. YOU are the folks who will make it what it can be, a goodly learning time and an enjoyable evening for all.

See You There OM/YL.....

73 TU SU SK DE NA4G  
Bob

\*\*\*\*\*  
\* May you have fair winds and following seas on your watch at the key. \*  
\*\*\*\*\*

-----  
Date: 4 Aug 1994 20:49:31 GMT  
From: ihnp4.ucsd.edu!agate!barrnet.net!varian.com!usenet@network.ucsd.edu  
Subject: Eimac 60th Anniversary Special Event  
To: info-hams@ucsd.edu

Varian Associates, Inc.  
Power Grid Tube Products  
301 Industrial Way  
San Carlos, CA 94070

Varian Celebrates 60th Eimac Anniversary  
W6AY Special Event Operation, September 1994

For Immediate Release  
Thursday, August 04, 1994

Contact: Ken Peterson, N6CHO  
Varian PGTP  
415 594-4000 (phone); 415 592-9988 (Fax)

San Carlos - The members of W6AY, the Eimac Radio Club, will operate 1600Z to 2400Z, Saturday, September 17 to commemorate 60 years of Eimac power grid tube products. Operation will be in the general portion of the 40, 20, and 6 meter bands as well as locally on 2 meters, 145.60 MHz simplex. For a certificate, send QSL and 9X12 SASE to Varian PGTP, W6AY, 301 Industrial Way, San Carlos, CA 94070-2682.

-----  
Date: 4 Aug 1994 15:40:43 GMT

From: athos.cc.bellcore.com!briscas.gamekeeper.bellcore.com!papo@uunet.uu.net  
Subject: From Dallas to Houston..  
To: info-hams@ucsd.edu

Greetings:

I want to acknowledge the following people that answered my question. Thank you very much.

Tom Baltz, KC5HEG  
Tiffany KJ5GU  
Jeff Kilgore KC1MK  
Wayne Estes WD5FFH

'73

--

Luis Roberto Anaya-Rivera	papo@donuts0.bellcore.com
A True PL/1 Hacker	papo@briscas.gamekeeper.bellcore.com
Bellcore, NJ	Ham: N2ZXE

-----

Date: 4 Aug 1994 18:13:59 GMT  
From: iphase.com!wes@uunet.uu.net  
Subject: Houston-Dallas  
To: info-hams@ucsd.edu

Houston to Dallas is an easy hoop for 2 meter SSB. In fact 222, 432, and 1296 SSB is also easy. The problem is not he cant talk to his brother, its is just to lazy to study for a test. At one time the complaint was "i have to learn code" now it is I have to take a test. Every body wants everything for nothing.

Wes

WA5TKU

-----

Date: Thu, 4 Aug 1994 16:39:42 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!icon!greg@network.ucsd.edu  
Subject: INFO WANTED: Alinco DJ-580T  
To: info-hams@ucsd.edu

Brandon DuRette-Student (brandond@brown.cna.tek.com) wrote:

:

: Speaking of problems with the 580 I have one to report. It seems that  
: switching between my rubberduck and my J-pole too often has loosened the  
: BNC(? connectors aren't my specialty). Has anyone else had this problem?  
: Is there any way to fix it besides paying big bucks to send it back?  
:

Yes, I did it myself. You need some small screwdrivers, a fairly small soldering iron (25w pencil tip type), a bit of patience, and no coffee for about 3 days prior to trying it. The problem is that the center conductor of the BNC is soldered to a post on one of the PC boards. Any movement will crack the solder. There is also a wire that is soldered to the \*threads\* of the connector, and it is tack-soldered to the same PC board. Both connections were broken on mine by the time I got to fixing it. And, of course, since the threads are all gooped up with solder, you can't tighten the nut holding the connector in place, so after re-soldering the mess, be sure to apply some epoxy to keep the connector from moving.

The whole procedure took an hour or two. The connector is located under about 2 or 3 layers of other PC boards, so the general procedure is to open the radio up (it opens like a book if you do it right), and unscrew each layer of PC board until you get to the bottom. DON'T FORCE ANYTHING. If something isn't moving, look around for a nut or screw you missed, for example, the ring-like nuts that hold the volume/squelch pots in place.

I wrote the whole procedure up after I did it, and posted it here, but of course I didn't save a copy :-(. Did anyone else save it?

Good luck,

Greg KD6KGW

-----  
Date: Fri, 5 Aug 1994 03:50:51 GMT  
From: vigra.com!news.vigra.com!steve@network.ucsd.edu  
Subject: Kenwood TM-733A surprise features and bugs [LONG].  
To: info-hams@ucsd.edu

I just put power to my new Kenwood TM-733A, made the first pass through the manual and tinkered with the controls. I've found some pretty interesting features and bugs, and got a few questions. Please post any responses (especially answers) to r.r.a.equipment, or e-mail me and I'll summarize. Thanks!

Here goes!

#

The radio is fully \*DTMF REMOTABLE\*! This one really surprised me. I

was considering the Alinco 600T just because of this feature, so it's nice to find that the 733A can do it too. I'm suprised they don't advertise it.

The manual says this:

"... the TH-7 Dual Bander can be used as the controller in place of a keypad-equipped microphone. The TH-7 is a compact, handy FM transceiver available in the General market only."

Well, I've never seen a TH-7, but my Yaesu FT-530 can control it just fine. The DTMF control keys are exactly as shown on page 81 of the manual. Note that the microphone is *\*active\** all the time, so any ambient DTMF tones near your mic will also change rig settings. This includes tones coming in on the other band and out the speaker! The mic is sensitive; I would disconnect it if you intend to run remote-controlled for any length of time.

#

Cross-band repeat isn't documented. (Why do manufactures insist on hiding this one?) I've learned how to enable CBR, but only via the remote control/mic (sequence is "D,C"). Anyone know a front-panel key sequence? To get full-duplex cross-banding, enable the Automatic Band Change (A.B.C) first.

#

The DTMF Paging & DTMF Squelch protocol (AAA\*BBB) is compatible with my Yaesu 530. This is good, especially for low-power extender applications. Is this a common standard?

#

The Automatic Simplex Checker (ASC) (p. 60) is a complete joke. I don't know who designed this one, but they must have had a clear view of their colon at the time. It breaks your reception every two seconds or so to check if the input channel is receivable. The break is *\*very\** noticable, and often deletes whole words. I think it's equivalent to using the Scan mode between the input and output repeater frequency. I can't believe they boast this as a feature in all their literature. Am I missing something?

#

There are some serious bugs in the "DTMF Monitor" feature (Page 63: [PTT] + [DWN] + Power On). This feature supposedly lets you hear the DTMF tones you are transmitting. The first problem is that it only gives you a short tone from the internal speaker. This is not true to the transmitted tone that lasts as long as you hold the key. The much bigger problem is that it *\*mangles\** the start of the transmitted DTMF tone. I have no idea why, but most repeaters interpreted it as multiple tones. It sounds like the short monitor tone is being mixed



in and transmitted. It's definately broken. Has anyone else heard this?

#

There are two undocumented icons on the display; one is the "heart" symbol. Anyone know what that's for? It could just be a spare. I noticed they used the odd "spade" symbol to indicate AM receive, so maybe these were last minute extras. Dunno..

The other symbol is the graphic "X" for the far right button under one of the F-shifted menus. It seems to do something, but I can't figure out what. Any ideas?

#

-----  
Date: Wed, 3 Aug 1994 17:29:52 GMT  
From: hplntx!hpcc01!brunob@hplabs.hpl.hp.com  
Subject: Model rocket telemetry...  
To: info-hams@ucsd.edu

Use 555 timer in astable mode.  
Re: Electronics, Sept.19,74  
The 555 timer applications sourcebook w/experiments  
by Howard M. Berlin 1978

Varactor or Varicaps are diodes whose reactance or capacitance depends on voltage/charge across their depletion layers.  
In simple words instead of using variable capacitor in osc. or tuned circuit and rotate it mechanically, you can use diode (Varactor) and by changing voltage on it you will tune osc.

How about doing yourself a birthday present and buy:  
The ARRL Handbook for the radio amateurs, one if not the only one  
book who made me what I am today.

from the log of AA6AD

-----  
Date: 3 Aug 1994 22:29:53 GMT  
From: korie1!newsworthy.West.Sun.COM!abyss.West.Sun.COM!usenet@RUTGERS.EDU  
Subject: S. California Repeaters  
To: info-hams@ucsd.edu

In article 9407311739246672@arbbs.simivalley.ca.us,

brian.webb@arbbs.simivalley.ca.us (Brian Webb) writes:

>I'm trying to program my HT with the best line up of 2-meter repeaters  
>that I can. What I'd like to know is which repeaters in the southern  
>third of California (San Luis Obispo to San Diego and the coast to the  
>eastern stateline) have the following characteristics:

>

>1. Wide coverage

>

>2. Are heavily used

>

>3. Are open

>

>Our problem in southern California is that we have over 200 2-meter  
>repeaters but most of them have limited coverage or are hardly ever  
>used.

>

>Does anybody have any info?

Goodness, yes. The 147.435 repeater on Saddle Peak meets all of  
your requirements. In fact, it is so heavily used it is often useless.  
Nonetheless, the input is 146.400 and the PL is 103.5 Hz.

I normally use "the Duck", 147.24MHz (+600k), usually no PL.

---

\* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are

\*

\* (310) 348-6043 | mine and do not necessarily \*

\* Dana.Myers@West.Sun.Com | reflect those of my employer

\*

\* "Sir, over there.... is that a man?" \*

-----

Date: Wed, 3 Aug 1994 16:19:43 GMT

From: hplntx!hpwrce!lou@hplabs.hpl.hp.com

Subject: Thanks from the NOVICE!!!

To: info-hams@ucsd.edu

Thanks to all off you who emailed me the answers to my questions on  
the difference between no-code and Tech Plus.

\*never\* have I received such prompt and courteous help...this bodes well for my  
re-entry to amateur radio.

Thanks

Lou

-----  
Date: Thu, 04 Aug 1994 11:11:12 -0500  
From: newsflash.concordia.ca!altitude!interso.hip.cam.org!user@uunet.uu.net  
Subject: Yaesu ft530 vco tune up  
To: info-hams@ucsd.edu

In article <Ctyr5G.Lq1@mail.auburn.edu>, weltyrc@mail.auburn.edu wrote:

> Anyone out there had any luck in increasing the transmit range on uhf on their  
> yaesu 530? It stops just shy of what I need. I'd appreciate a copy of the vco  
> tuning procedure if anyone has it.  
>  
> thanks,  
> ryan  
> kr4oq@bbs.k4ry.#cenal.al.usa  
> weltyrc@mail.auburn.edu

Contact vision@cam.org.

They have the mods you need for.

-----

Date: 3 Aug 1994 23:34:19 GMT  
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!  
charnel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!ssd.intel.com!chnews!  
scorpion.ch.intel.com!cmoore@network.ucsd.edu  
To: info-hams@ucsd.edu

References <119018@cup.portal.com>, <31mhat\$q4r@chnews.intel.com>,  
<gregCtyz0s.E2G@netcom.com>m.com  
Subject : Re: Ramsey SlyFox

In article <gregCtyz0s.E2G@netcom.com>, Greg Bullough <greg@netcom.com> wrote:

>Mis-representation 1: Your reference to a 'pre-publication leak.'  
>I get my copy of 73 just like a lot of other people: when it arrives  
>in my mailbox. Period.

Hi again, Greg. Are you paranoid or what? I don't think you wrote the  
posting to which I was referring. I certainly didn't say you wrote it.  
I was talking about a posting so long ago that it had to be a pre-  
publication leak. You probably missed it and made a rash assumption.  
I was not quoting you... go find another windmill. :-)

I inferred from Joe's posting about his review, that about half the

responders to the review thought that he had been too hard on Ramsey.  
I am one of those many.

>Why should manufacturers be offered the chance to quietly fix problems  
>found in reviews...

The purpose of a kit review should be to help the kit-builder create  
something of value of which he can be proud and satisfied, not to rob  
him of the joy of kit-building.

>But the initial problem still needs to be called out! And there  
>is no a priori obligation to give a manufacturer the 'second chance' to  
>get it right prior to publication.

(1) Find the problems. (2) Publish the problems. (3) Fix the problems.  
No company is perfect. Heathkit got a lot of "second chances". I am not  
advocating a coverup but we don't need a 'Ham National Enquirer'.

73, Cecil, KG7BK, 00TC (Not speaking for Intel)

-----  
Date: 3 Aug 1994 17:05:52 -0700  
From: ihnp4.ucsd.edu!news.cerf.net!bengal.oxy.edu!acsc.com!wp-sp.nba.trw.com!  
elroy.jpl.nasa.gov!lll-winken.llnl.gov!apple.com!apple.com!not-for-  
mail@network.ucsd.edu  
To: info-hams@ucsd.edu

References <318hra\$18u@apakabar.cc.columbia.edu>,  
<318p62\$g4q@hammer.msfc.nasa.gov>, <31ds68\$1rr@hebron.connected.com>  
Subject : Re: ham humor

randys@connected.com (Randy Stegemeyer) writes:

>Paul (Cliffy) Palmer (palmer@Trade-Zone.msfc.nasa.gov) wrote:  
>: In article 18u@apakabar.cc.columbia.edu, jbaltz@bonjour.cc.columbia.edu (Jerry  
B Altzman) writes:  
>: >In article <Pine.3.87.9407271517.A80270-01000000@fep01.rfc.comm.harris.com>,  
>: >Steven L Goldstein <slg@adm01.rfc.COMm.harris.COM> wrote:  
>: >  
>: >>I was explaining to my wife last night that some hams refer to their  
>: >>children as harmonics.  
>: >  
>: >Unless you're into parthenogenesis, why not refer to them as intermods? You  
>: >need two signals for that...  
>: >  
>  
>How about \*Hetrodynes\* ?

Nah. They're more like Q-R-Mary.

73

Kok Chen, AA6TY  
Apple Computer, Inc.

kchen@apple.com

-----  
Date: (null)

From: (null)

#

I've heard that this radio can be fixed for extended receive, including the Forbidden Band. I can't find any 800 MHz mods on the regular ftp sites, probably because this radio is pretty new. Has anyone found one?

#

You can't have two useful keys on the handset at once. Namely, the "Open Squelch" feature and the "Direct Entry" feature. Both of these want to be on the PF key \*only\*. Is there any way to put either of these on the other programmable keys? I wouldn't mind giving up the Call key for Open Squelch, but there's no way I'm giving up Direct Entry.

#

The "musical" frequency readback (p. 77) is pretty useless (for me anyway). It plays the digits as musical tones, which you are supposed to recognize and associate with digits. Hmm.. I'd rather have morse code readout or just a simple tone count. This would be especially useful for remote control.

#

Exactly what is the difference between Noise and S-Meter squelch? As near as I can tell, one has a digital level indicator, and the other doesn't. Is there some environment where the difference shows?

#

The whole front-panel is connected to the rig by \*four\* wires (yep, including the volume/squelch pots.) According to the schematic, these are: power, ground, data in, and data out. I'm wondering how hard it would be to make a PC interface for this thing and replace the whole display and controls with a full-screen version. It wouldn't surprise me if many of the programming limits were also imposed by the front-panel, and not the unit.

Overall, I've very happy with this radio. The remote mount kit gives me some really nice installation options, and the quick-detach panel is super theft protection. it's loaded with bells and whistles, and seems to perform well so far. I'm anxious to hear how others like this radio.

Happy Hacking!  
-Steve

Steve Haehnichen  
steve@vigra.com

Vigra, Inc. San Diego, CA  
(619) 597-7080 x116 Fax: (619) 597-7094

-----

End of Info-Hams Digest V94 #877  
\*\*\*\*\*